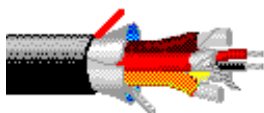


## 1509C Paired - Analog Multi-Pair Snake Cable



For more information please  
call

**1-800-Belden1**

See Put-ups and Colors

**Color Code Chart : No. 7 for  
Snake Cables.pdf**

### Description:

24 AWG stranded (7x32) tinned copper conductors, polyolefin insulation, individually shielded pairs (100% coverage), individual PVC jackets are bonded to individual shields so both strip simultaneously, overall Beldfoil® shield and PVC jacket with ripcord

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Pairs	2
Total Number of Conductors	4
AWG	24
Stranding	7x32
Conductor Diameter	.024 in.
Conductor Material	TC - Tinned Copper

#### INSULATION:

Insulation Material	PO - Polyolefin
Nom. Insulation Wall Thickness	.008 in.
Insulation Diameter	.040 in.

#### PAIR:

Pair Lay Length	1.75 in.
Pair Twists/ft.	6.85
Pair Shield Material Trade Name	Beldfoil®
Pair Shield Type	Tape
Pair Shield Material	Aluminum Foil-Polyester Tape
Pair Shield % Coverage	100 %

#### PAIR SHIELD DRAIN WIRE :

Pair Shield Drain Wire AWG	24
Pair Shield Drain Wire Stranding	7x32
Pair Shield Drain Wire Conductor Material	TC - Tinned Copper
Pair Color Code Chart	Red & Black

#### INNER JACKET:

## 1509C Paired - Analog Multi-Pair Snake Cable

Inner Jacket Material PVC - Polyvinyl Chloride

Inner Jacket Nominal Wall Thickness .014 in.

Inner Jacket Diameter .111 in.

Inner Jacket Color Code Chart :

Number	Color
1	Brown
2	Red

### OUTER SHIELD:

Outer Shield Material Trade Name Beldfoil®

Outer Shield Type Tape

Outer Shield Material Aluminum Foil-Polyester Tape

Outer Shield % Coverage 100 %

### OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG 24

Outer Shield Drain Wire Stranding 7x32

Outer Shield Drain Wire Conductor Material TC - Tinned Copper

### OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness .034 in.

Outer Jacket Ripcord Yes

### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .301 in.

### MECHANICAL CHARACTERISTICS:

Operating Temperature Range -35°C To +75°C

Bulk Cable Weight 42.5 lbs/1000 ft.

Max. Recommended Pulling Tension 55.4 lbs.

Min. Bend Radius (Install) 2.9 in.

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

NEC/(UL) Specification CM

CEC/C(UL) Specification CM

#### PLENUM/NON-PLENUM:

Plenum (Y/N) N

### ELECTRICAL CHARACTERISTICS:

Nom. Inductance .18 µH/ft

Nom. Capacitance Conductor to Conductor @ 1 KHz 31 pF/ft

Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz 58 pF/ft

## 1509C Paired - Analog Multi-Pair Snake Cable

Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	23.3 Ohms/1000 ft
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	15.9 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	1.05 Amps per conductor @ 25°C
Max. Recommended Current	1.05 Amps per conductor @ 25°C

### PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1509C B591000	2 PR #24 PP FS PVC FS PVC	1000	44	BLACK, MATTE	C
1509C B59500	2 PR #24 PP FS PVC FS PVC	500	23.5	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 02-09-2004

© 2003 Belden Wire & Cable Company  
All Rights Reserved.

Although Belden Electronics Division ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.